



Attorney Docket No. 5100-0702.20

PATENT

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on 7/19/04.

By: 

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of BRUCHEZ et al.

Serial No.: 10/735,608

Examiner: Unassigned

Confirmation No.: 1956

Art Unit: 1645

Filed: December 12, 2003

For: METHOD FOR ENHANCING TRANSPORT OF SEMICONDUCTOR
NANOCRYSTALS ACROSS BIOLOGICAL MEMBRANES

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT TRANSMITTAL

Enclosed is an Information Disclosure Statement and accompanying Form PTO/SB/08A for the above-identified patent application.

- ☒ In accordance with 37 C.F.R. §1.97(b), no additional fee for submission of the IDS is required.
- ☐ In accordance with 37 C.F.R. §1.97(c), also enclosed is:
 - ☐ the fee of \$180.00 as set forth in 37 C.F.R. §1.17(p); or
 - ☐ a statement as specified in 37 C.F.R. §1.97(e).
- ☐ In accordance with 37 C.F.R. §1.97(d), a statement as specified in 37 C.F.R. § 1.97(e) and the fee of \$180.00 as set forth in 37 C.F.R. §1.17(p) are also enclosed.
- ☐ Check No. ___ in the amount of \$___ for the total fee is attached.

☒ [X] A return receipt postcard is also enclosed.

☐ [] Please charge \$_____ to Deposit Account No. 18-1648 for the total fee.
This paper is being submitted in duplicate.


The Commissioner is hereby authorized to charge any appropriate fees under 37 C.F.R. §§1.16, 1.17, and 1.21 that may be required by this paper, and to credit any overpayment, to Deposit Account No. 18-1648.

Dated: 7/19/04

Respectfully submitted,

Robins & Pasternak LLP
1731 Embarcadero Road, Suite 230
Palo Alto, CA 94303
Tel: (650) 493-3400
Fax: (650) 493-3440

By:



Roberta L. Robins
Reg. No. 33,208



Attorney Docket No. 5100-0702.20

PATENT

I hereby certify that this correspondence is being deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to the Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on 7/19/04.

By: 

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of BRUCHEZ et al.

Serial No.: 10/735,608

Examiner: Unassigned

Confirmation No.: 1956

Art Unit: 1645

Filed: December 12, 2003

For: METHOD FOR ENHANCING TRANSPORT OF SEMICONDUCTOR
NANOCRYSTALS ACROSS BIOLOGICAL MEMBRANES

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT UNDER 37 C.F.R. §1.97(b)

In accordance with the duty of disclosure set forth in 37 C.F.R. §1.56,
Applicant(s) hereby submits the following information in conformance with 37 C.F.R.
§§1.97 and 1.98.

- ☒ Pursuant to 37 C.F.R. §1.98, a copy of document C5 cited in the attached Form PTO/SB/08 is enclosed.
- ☒ No copies of publications A2, A3, B1 and C1-C4 listed on the attached Form PTO/SB/08A are being provided pursuant to 37 C.F.R. §1.98(d) because the publications were previously cited by or submitted to the Office in prior Application Serial No. 09/972,744 to which the above-identified application claims priority under 35 U.S.C. §120.
- ☒ No copies of publications A1, A4 and A5 are being provided pursuant Office waiver of 37 C.F.R. §1.98(a)(2)(i) for submitting a copy of each cited U.S. patent and each U.S. patent application publication for all U.S. national patent applications filed after June 30, 2003.

- ☐ Publication(s) _____ listed on the attached Form PTO/SB/08A were cited in a foreign search or examination report corresponding to _____ application serial no. _____ and mailed on _____.
- ☐ Enclosed is a copy of a non-English publication(s) _____. Pursuant to §609 of the M.P.E.P., Applicant submits the attached foreign search or examination report, which cites such non-English language publication(s).
- ☐ Enclosed is a copy of a non-English publication(s) _____. English language publication _____ (copy enclosed) claims priority from this non-English publication.
- ☐ Enclosed is an explanation of non-English publication(s) _____ for which an English translation is not available.
- ☐ Enclosed is an English translation of non-English publication(s) _____ cited in the attached Form PTO/SB/08A.
- ☐ Enclosed is a copy of pending patent Application Serial No. _____.

This Information Disclosure Statement is filed within any one of the following time periods:

- ☐ within three months from the filing date of this national application other than a CPA under 37 C.F.R. § 1.53(d);
- ☐ within three months from the date of entry of the national stage as set forth in 37 C.F.R. §1.491 in this international application;
- ☒ before the mailing date of a first office action on the merits; or
- ☐ before the mailing of a first office action after the filing of a request for continued examination under 37 C.F.R. §1.114.

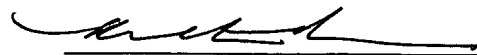
It is respectfully requested that the Examiner consider the above-noted information and return an initialed copy of the attached Form PTO/SB/08A to the undersigned.

Dated: 7/19/04

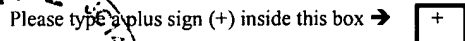
Respectfully submitted,

Robins & Pasternak LLP
1731 Embarcadero Road, Suite 230
Palo Alto, CA 94303
Tel: (650) 493-3400
Fax: (650) 493-3440

By:



Roberta L. Robins
Reg. No. 33,208



Substitute for form 1449A/PTO

(use as many sheets as necessary)

Sheet	1	of	2
-------	---	----	---

Application Number	10/735608
Filing Date	December 12, 2003
First Named Inventor	BRUCHEZ
Group Art Unit	1645
Examiner Name	Unassigned
Attorney Docket Number	5100-0702.20

[illegible]

Examiner Initials*	Cite No. ¹	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY	T ⁶
		Office ³	Number ⁴	Kind Code ⁵ (if known)			
	B1	EP	0 990 903	A1	MASSACHUSETTS INSTITUTE OF TECHNOLOGY	04-05-2000	

Examiner Signature		Date Considered	
-----------------------	--	--------------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number.

² See attached Kinds of U.S. Patent Documents.

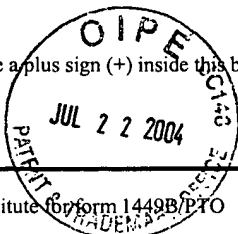
³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3).

⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document.

⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible.

⁶ Applicant is to place a check mark here if English language Translation is attached.

Please type a plus sign (+) inside this box →



PTO/SB/08A (08-00)

Substitute for Form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
				Application Number	10/735608
				Filing Date	December 12, 2003
				First Named Inventor	BRUCHEZ
				Group Art Unit	1645
Examiner Name	Unassigned				
Sheet	2	of	2	Attorney Docket Number	5100-0702.20

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS				
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ¹	
	C1	BRUCHEZ et al., "Semiconductor Nanocrystals as Fluorescent Biological Labels," (1998), <i>Science</i> 281:2013-2016		
	C2	CHAN et al., "Quantum Dot Bioconjugates for Ultrasensitive Nonisotopic Detection," (1998), <i>Science</i> 281:2016-2018		
	C3	DUBERTRET et al., In Vivo Imaging of Quantum Dots Encapsulated in Phospholipid Micelles, (2002), <i>Science</i> 298:1759-1762.		
	C4	LACOSTE et al., "Super Resolution Molecular Ruler Using Single Quantum Dots," (2000), <i>Biophysical Journal</i> 78:420A (abstract)		
	C5	TKACHENKO et al., "Multifunctional Gold Nanoparticle-Peptide Complexes for Nuclear Targeting", (2003), J. AM. CHEM. SOC. 125, 4700-4701.		

Examiner Signature		Date Considered	
--------------------	--	-----------------	--

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number.

¹ Applicant is to place a check mark here if English language Translation attached.